Bang&Olufsen

Tape Deck Version II

Beocord 3500/4500

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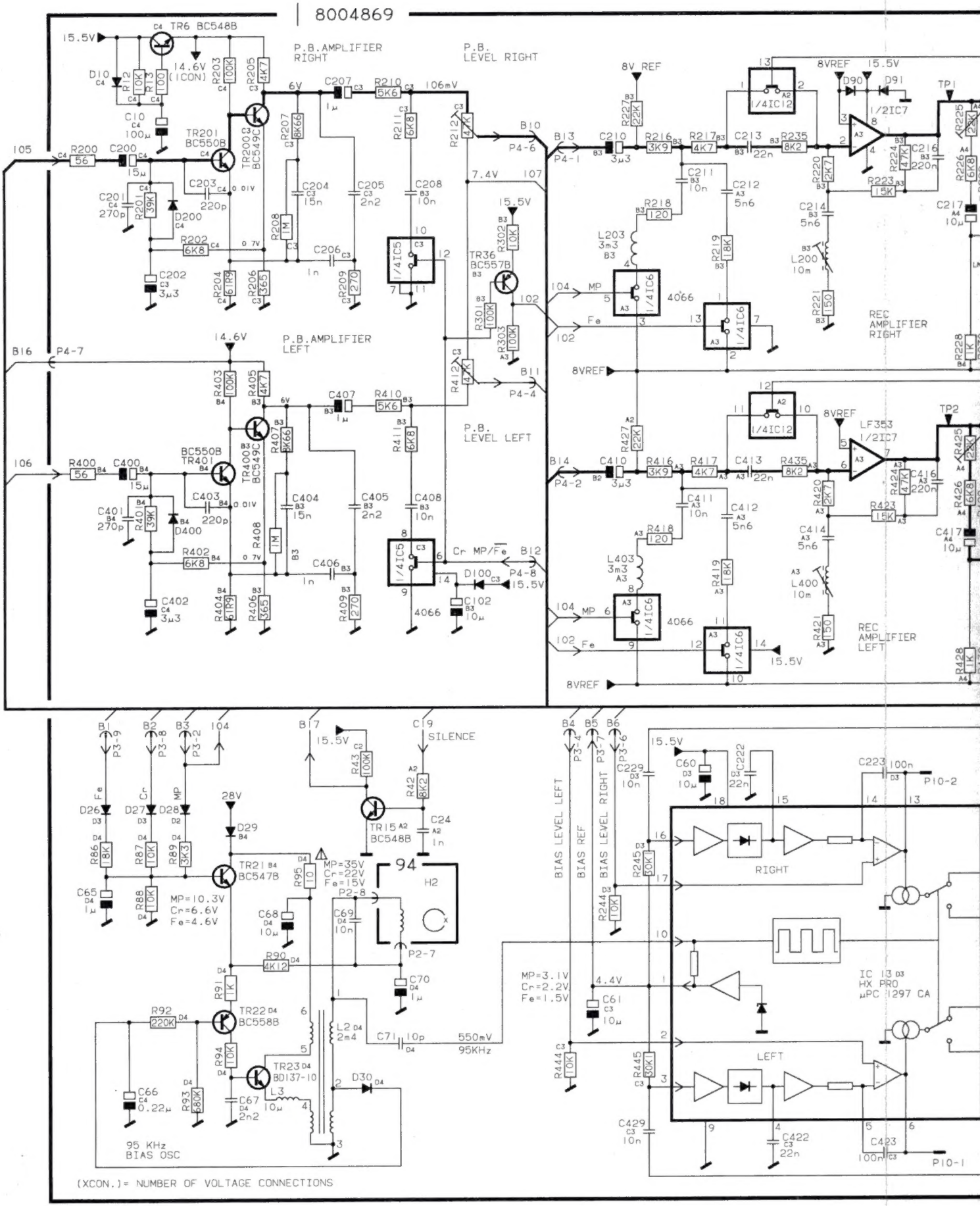
Beocord 3500/4500

SERVICE ANVISNING
SERVICE MANUAL
SERVICEANLEITUNG
MANUAL d'ENTRETIEN

5-91 3538772

Indklæbes i Serviceanvisningen Beocord 4500 (3538714/3538713)
Paste into Service Manual Beocord 4500 (3538714/3538713)
In Serviceanleitung Beocord 4500 (3538714/3538713) einkleben
A coller le Manual d'entretien pour Beocord 4500 (3538714/3538713)

DIAGRAM A (AF and Control)



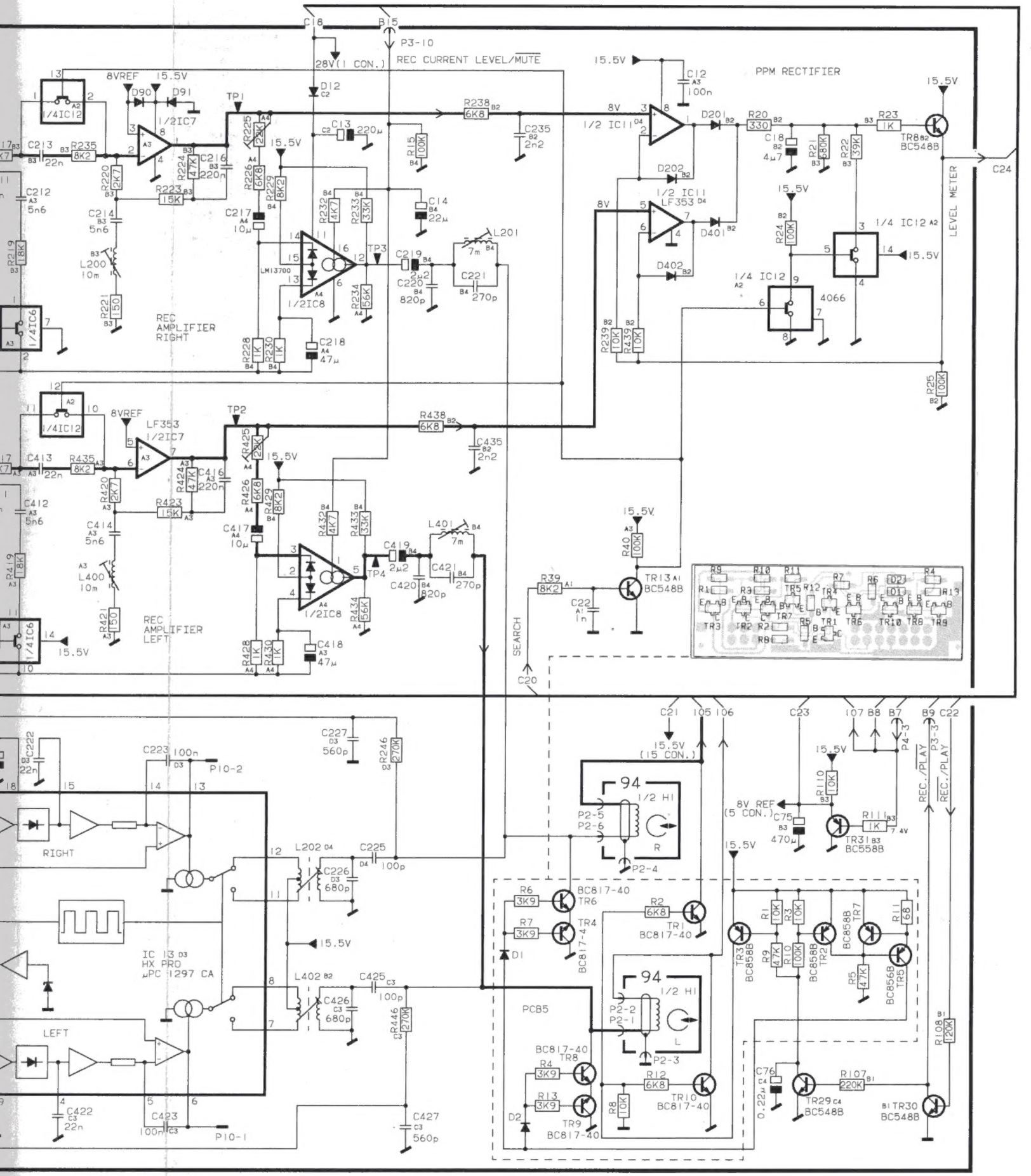
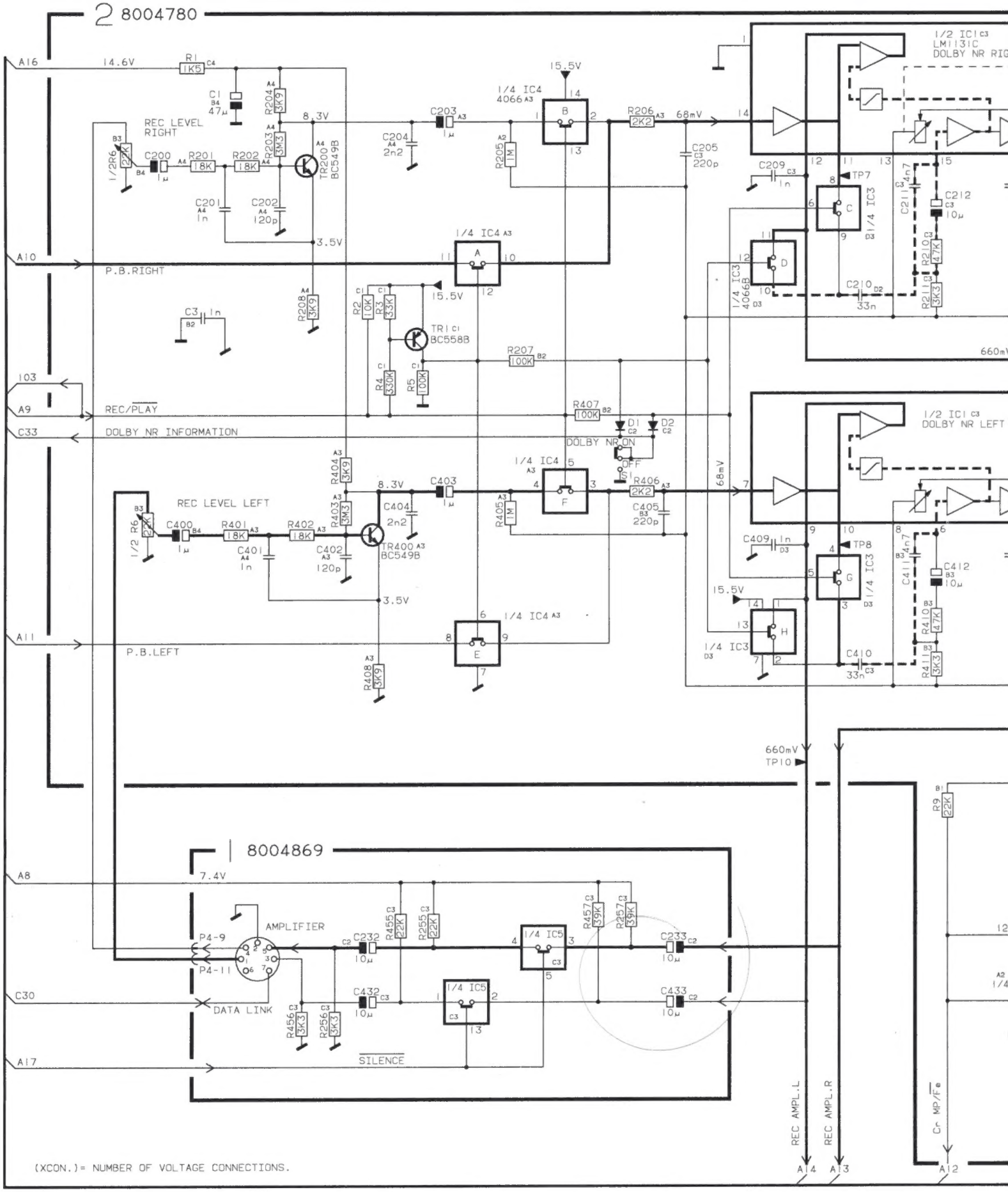

P3-10
REC CURRENT LEVEL/MUTE
28V(1 CON.)
8VREF
15.5V
PPM RECTIFIER
LEVEL METER
REC AMPLIFIER RIGHT
REC AMPLIFIER LEFT
SEARCH
LF353
LM13700
4066
BC548B
BC817-40
BC858B
BC856B
IC 13 D3
HX PRO
μPC 1297 CA
RIGHT
LEFT
PCB5
REC./PLAY
P10-2
P10-1
P4-3
P3-3

DIAGRAM B (Dolby NR, Bias Switch and Tape Type Logic)



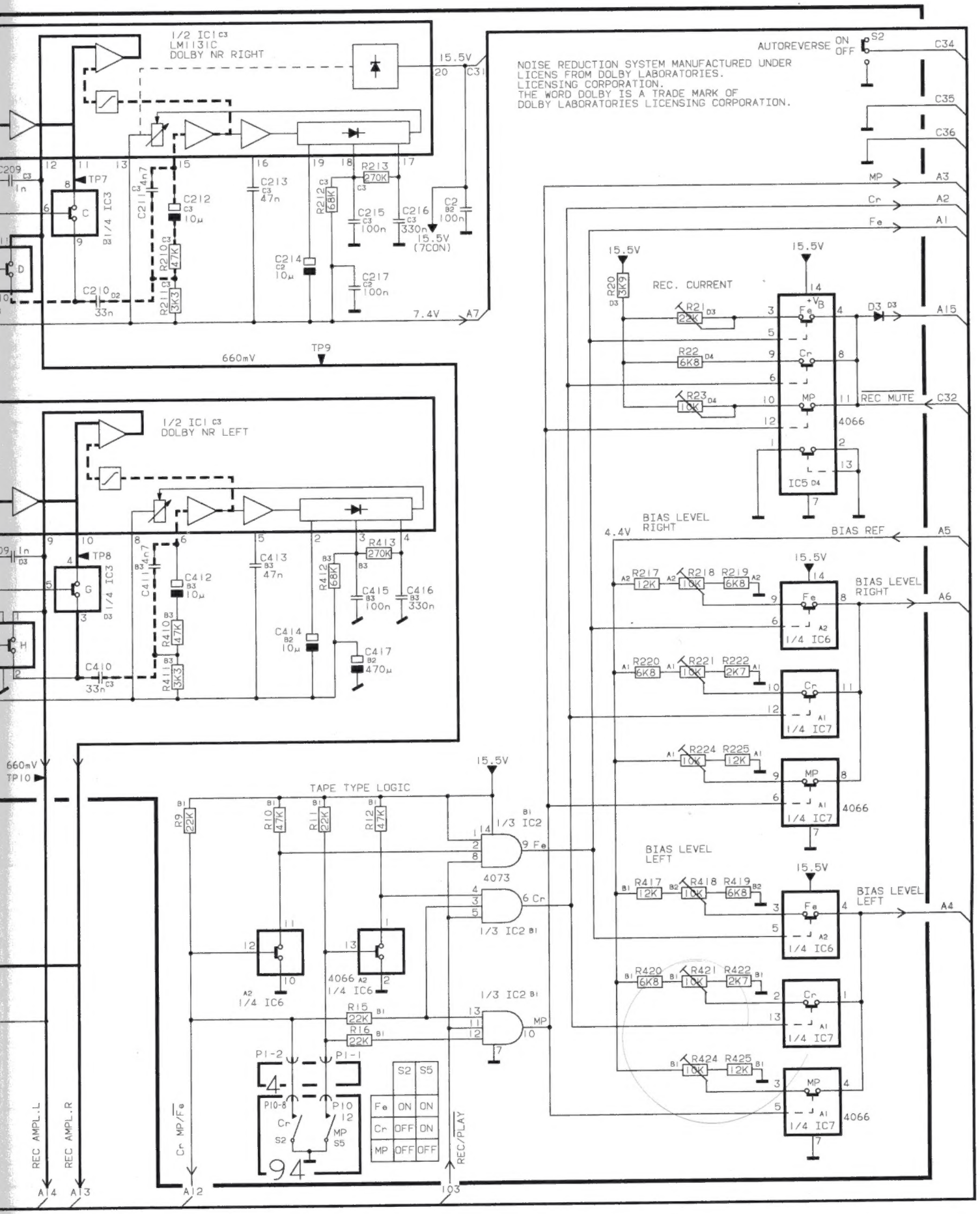
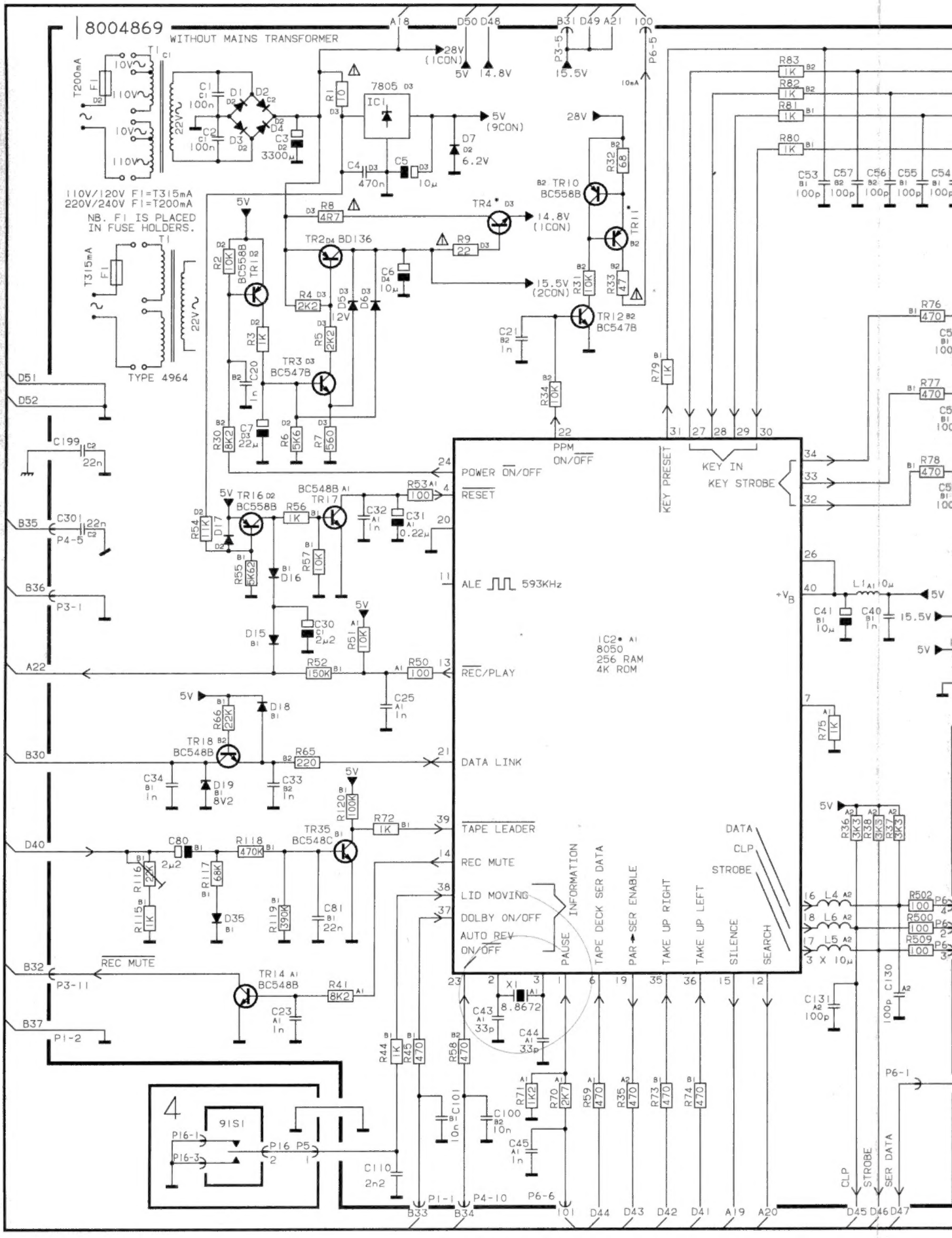

1/2 IC1 C3
LM1131C
DOLBY NR RIGHT
15.5V
20
C31
TP7
1/4 IC3
C209 1n
C211 4n7
C212 10µ
C213 47n
R213 270K
R212 68K
C215 100n
C216 330n
C2 100n
15.5V (7CON)
R210 47K
R211 3K3
C210 33n
C214 10µ
C217 100n
7.4V
A7
660mV
TP9
1/2 IC1 C3
DOLBY NR LEFT
TP8
1/4 IC3
C411 4n7
C412 10µ
C413 47n
R413 270K
R412 68K
C415 100n
C416 330n
R410 47K
R411 3K3
C410 33n
C414 10µ
C417 470µ
660mV
TP10
TAPE TYPE LOGIC
15.5V
R9 22K
R10 47K
R11 22K
R12 47K
1/3 IC2
9 Fe
4073
6 Cr
1/3 IC2
4066
1/4 IC6
1/3 IC2
MP
10
R15 22K
R16 22K
P1-2
P1-1
P10-8
P10-12
Cr
MP
S2
S5
S2 S5
Fe ON ON
Cr OFF ON
MP OFF OFF
REC AMPL.L
REC AMPL.R
Cr MP/Fe
REC/PLAY
A14
A13
A12
103
NOISE REDUCTION SYSTEM MANUFACTURED UNDER
LICENS FROM DOLBY LABORATORIES.
LICENSING CORPORATION.
THE WORD DOLBY IS A TRADE MARK OF
DOLBY LABORATORIES LICENSING CORPORATION.
AUTOREVERSE ON OFF
S2
C34
C35
C36
MP A3
Cr A2
Fe A1
15.5V
R20 3K9
REC. CURRENT
R21 22K
R22 6K8
R23 10K
+VB
Fe
Cr
MP
REC MUTE
C32
4066
IC5
D3
A15
BIAS LEVEL RIGHT
4.4V
BIAS REF
A5
R217 12K
R218 10K
R219 6K8
1/4 IC6
BIAS LEVEL RIGHT
A6
R220 6K8
R221 10K
R222 2K7
1/4 IC7
R224 10K
R225 12K
4066
BIAS LEVEL LEFT
R417 12K
R418 10K
R419 6K8
BIAS LEVEL LEFT
A4
R420 6K8
R421 10K
R422 2K7
R424 10K
R425 12K

DIAGRAM C (Control and Operation)



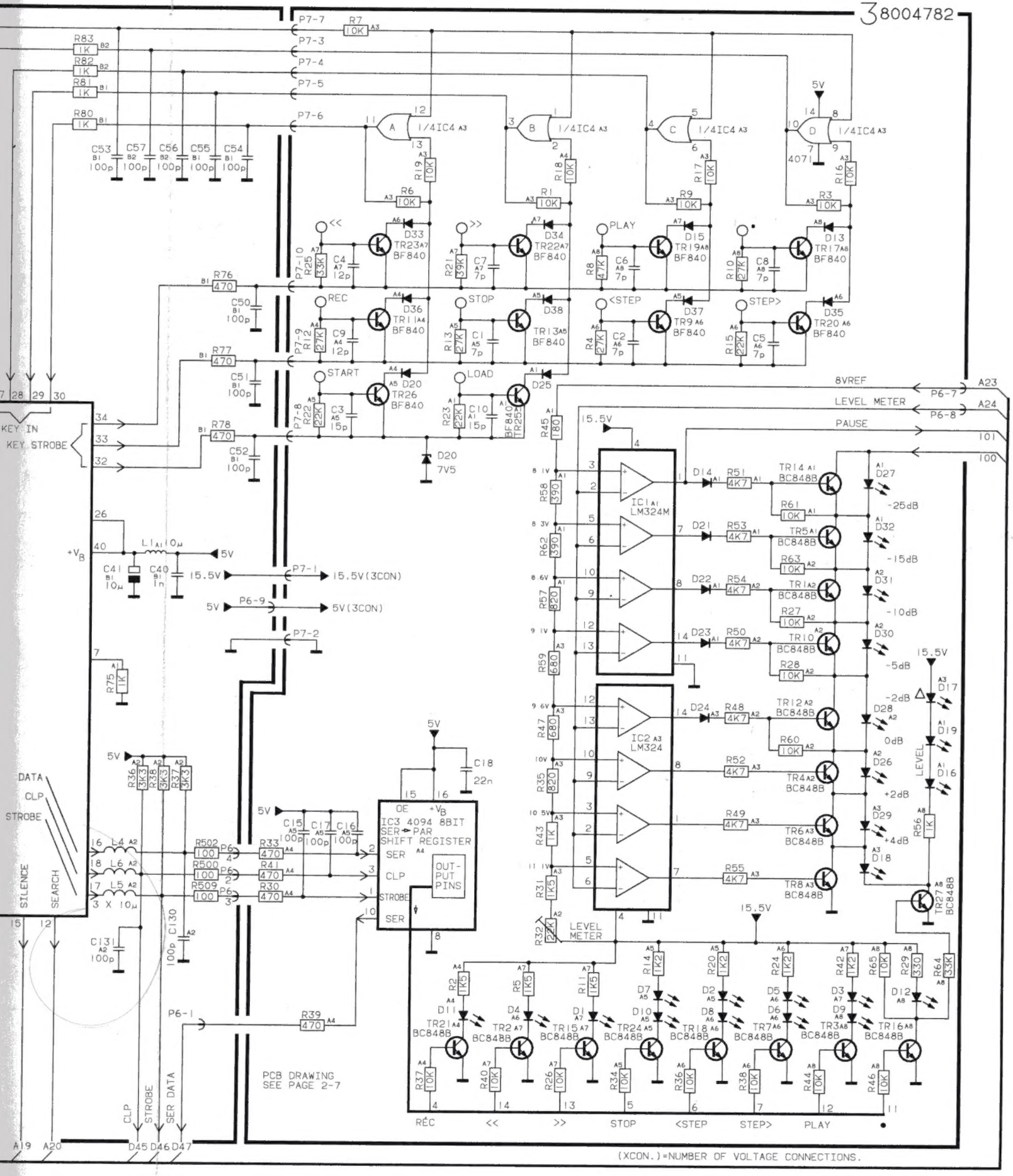

38004782
KEY IN
KEY STROBE
+VB
5V
15.5V
8VREF
LEVEL METER
PAUSE
P7-1
15.5V(3CON)
P6-9
5V(3CON)
P7-2
IC1 LM324M
IC2 LM324
IC3 4094 8BIT SER↔PAR SHIFT REGISTER
OUT-PUT PINS
LEVEL METER
-25dB
-15dB
-10dB
-5dB
-2dB
0dB
+2dB
+4dB
LEVEL
DATA
CLP
STROBE
SILENCE
SEARCH
SER DATA
PCB DRAWING SEE PAGE 2-7
REC
<<
>>
STOP
<STEP
STEP>
PLAY
(XCON.)=NUMBER OF VOLTAGE CONNECTIONS.

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DIAGRAM C (Tape Deck Control)